

Reference 4

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(71)Applicant : BEIERSDORF AG

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(72)Inventor : SCHEPKY ANDREAS DR

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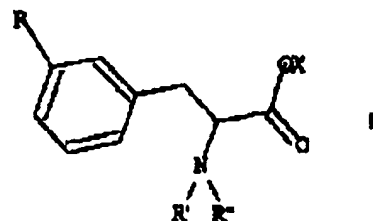
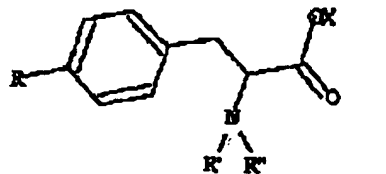
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## (54) ACTIVE INGREDIENT AND PREPARATION FOR LIGHTCOLORING AND SUNBURN-PREVENTION OF SKIN

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain a preparation for preventing and treating a pigmentation in skin by including a substituted phenylalanine and extracts from plant and animal containing the same.

**SOLUTION:** This objective preparation is obtained by including at least one compound selected from the group consisting of a substituted phenylalanine [pref.  $\beta$ -phenylalanine of formula I (R is a group of sulfate, sulfuric acid group, group of phosphate, phosphoric acid group or sulfonate; R' and R'' are each H or an 1-21C alkyl; and X is H, a metal cation, or 1-22C alkyl) or formula II the 3-site or 4-site of whose phenyl ring is substituted, e.g. L-3-[4-hydroxyphenyl]-2-aminopropionic sulfuric ester], the derivatives thereof, and any extracts from plant and animal containing any of these compounds in the ratio of 0.01 to 10 wt.%, pref. 0.1 to 5 wt.% based on the total weight of the objective preparation.



## LEGAL STATUS

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